

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

Complete if Known

Application Number 09/939,139
Filing Date 08/24/2001
First Named Inventor Mary Beth Kossuth
Group Art Unit 1771
Examiner Name
Attorney Docket Number 1012-109(2000-118)

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U.S. PATENT DOCUMENTS

Examiner Initials [*]	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,776,359		Schultz et al.	07/07/1998	
		5,959,297		Weinberg et al.	09/28/1999	
		5,985,356		Schultz et al.	11/16/1999	
		6,004,617		Schultz et al.	12/21/1999	
		6,013,199		McFarland et al.	01/11/2000	
		6,030,917		Weinberg et al.	02/29/2000	
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		6,124,476		Guram et al.	09/26/2000	
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		6,177,528 B1		LaPointe et al.	01/23/2001	
		6,182,499 B1		McFarland et al.	02/06/2001	
		6,187,164 B1		Warren et al.	02/13/2001	
		6,203,726 B1		Danielson et al.	03/20/2001	

FOREIGN PATENT DOCUMENTS

Examiner Initials [*]	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
			WO 00/67086		Symyx Technologies, Inc.	11/09/2000		
			*WO 96/11878		Reg. of the Univ. of California	04/25/1996		
			WO 0036410		Symyx Technologies, Inc.	06/22/2000		
			WO 00/40331		Symyx Technologies, Inc.	07/13/2000		
			*WO 00/51720		Symyx Technologies, Inc.	09/08/2000		
			*WO 00/17413		Symyx Technologies, Inc.	03/30/2000		
			WO 00/23921		Symyx Technologies, Inc.	04/27/2000		

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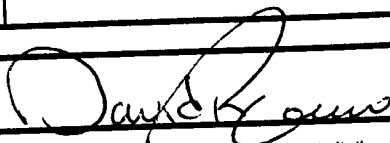
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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		*ODIAN, Principles of Polymerization, 3rd Ed., John Wiley & Sons, Inc. (1991)	
Re	/	YOUNG, W.C., Roark's Formulas for Stress and Strain, 1989	
		*TIMOSHENKO, S., Theory of Plates and Shells, McGraw-Hill, New York 1940	
Re	/	OSTERBERG, Peter M. and Stephen D. Senturia, "M-TEST: A Test Chip for MEMS Material Property Measurement Using Electrostatically Actuated Test Structures," Journal of Microelectromechanical Systems, Vol. 6, No. 2, June 1997	
Re	/	KIM, J.O. and B. Lewis Slaten, "Objective Assessment of Fabric Handle in Fabrics Treated With Flame Retardants," Journal of Testing and Evaluation, JTEVA, Vol. 24, No. 4, July 1996, pp. 223-228.	
Re	/	GROVER, G. et al., "A Screening Technique for Fabric Handle", J. Text. Inst., 1993, 84 No. J. Textile Institute, pp. 486-494.	
Re	/	PAN, NING and K.C. Yen, "Physical Interpretations of Curves Obtained Through the Fabric Extraction Process for Handle Measurement," Textile Research Journal 62(5), pp. 279-290 (1992).	
Re	/	"Handle-O-Meter", Thwing-Albert Instrument Company, Philadelphia, PA.	
Re	/	RAEEL, MASTURA and Jiang Liu, "An Empirical Model for Fabric Hand" Textile Research Journal 62, 1, pp. 31-38 (1991).	
Re	/	ALI, S.I. and Shahida Begum, "Fabric Softeners and Softness Perception", Ergonomics, v.37, No. 5, pp. 801-806 (1994).	

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		*U.S. Application Serial No. 09/420,334 entitled "Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 18, 1999	
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		*U.S. Application Serial No. 09/550,549 entitled "Automated Process Control And Data Management System And Methods" (Crevier, et al.) filed on April 14, 2000	
		*U.S. Application Serial No. 09/755,623 entitled "Laboratory Database System and Methods For Combinatorial Materials Research" (Dorsett, Jr., et al.) filed on January 5, 2001.	
		*The family of applications for U.S. Application Serial No. 09/227,558 entitled, "Apparatus and Method of Research for Creating and Testing Novel Catalysts, Reactions and Polymers" (Turner et al.) filed January 8, 1999	
		*The family of applications for U.S. Application Serial No. 09/211,982 entitled "Parallel Reactor With Internal Sensing" (Turner et al.) filed December 14, 1998	
		*U.S. Application Serial No. 09/235,368 entitled "Polymerization Method From the Combinatorial Synthesis and Analysis of Organometallic Compounds and Catalysts" (Weinberg et al.) filed on January 21, 1999	
		*U.S. Provisional Application Serial No. 60/122,704 entitled "Controlled, Stable Free Radical Emulsion and Water-Based Polymerizations" (Klaerner et al.) filed on March 9, 1999	
26		The family of applications for U.S. Application Serial No. 09/156,827 entitled "Formation of Combinatorial Arrays of Materials Using Solution-Based Methodologies" (Giaquinta et al.) filed September 18, 1998	
		*The family of applications for U.S. Application Serial No. 09/567,598 entitled "Polymer Libraries on a Substrate, Method for Forming Polymer Libraries on a Substrate and Characterization Methods with Same" (Boussie et al.) filed May 10, 2000	
26		U.S. Application Serial No. 09/579,338 entitled "Rheo-Optical Indexer and Method of Screening and Characterizing Arrays of Materials" (Carlson et al.) filed on May 25, 2000	

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Ro		U.S. Patent Application Serial No. 09/939,404 entitled "High Throughput Mechanical Property and Bulge Testing of Material Libraries," (D. Hajduk et al.) filed on August 24, 2001.	
Ro		U.S. Patent Application Serial No. 09/939,252 entitled "High Throughput Mechanical Rapid Serial Property Testing of Material Libraries," (P. Mansky) filed on August 24, 2001.	
Ro		U.S. Patent Application Serial No. 09/939,149 entitled "High Throughput Rheological Testing of Materials," (P. Mansky et al.) filed on August 24, 2001.	
Ro		U.S. Patent Application Serial No. 09/939,263 entitled "High Throughput Mechanical Property Testing of Materials Libraries Using Capacitance," (D. Hajduk et al.) filed on August 24, 2001.	
Ro		U.S. Patent Application Serial No. 09/938,994 entitled "High Throughput Mechanical Property Testing of Materials Libraries Using a Piezoelectric," (D. Hajduk) filed on August 24, 2001.	
Ro		The family of applications for U.S. Patent Application Serial No. 09/580,024 entitled "Instrument for High Throughput Measurement of Material Physical Properties and Method of Using Same," (Carlson, et al.) filed on May 26, 2000	
		*The family of applications for U.S. Patent Application Serial No. 09/174,856 titled "Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 19, 1998.	
Ro		U.S. Application Serial No. 09/801,165 entitled "Method and Apparatus for Characterizing Materials By Using a Mechanical Resonator" filed March 7, 2001	
Ro		U.S. Application Serial No. 09/578,997 entitled "High Throughput Viscometer and Method of Using Same" filed May 25, 2000	
		*PCT Application No. PCT/US01/11417 entitled "Automated Process Control And Data Management System And Methods", filed 4/6/2001	

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		Number	Kind Code ² (if known)			
A		5,817,947	/	Bergerus	10/06/1998	
		5,723,792	/	Miyazaki	03/03/1998	
		5,532,942	/	Kitamura et al.	07/02/1996	
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Y		6,043,317	/	Mumick et al.	03/28/2000	

[illegible]

David H. Brown

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A		6,242,623 B1	/	Boussie et al.	06/05/2001	
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		6,248,540 B1	/	Weinberg et al.	06/19/2001	
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		6,010,616	/	Lewis et al.	01/04/2000	
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		5,892,157	/	Syre	04/06/1999	
		5,877,428	/	Scolton	03/02/1999	
		5,847,283	/	Finot et al.	12/08/1998	

[illegible]

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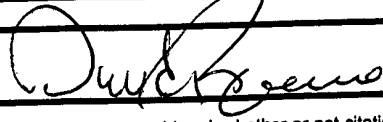
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		"DMA 2980 Dynamic Mechanical Analyser," http://www.tainst.com/dma2.html , 12/29/00	
		"Introducing the NEW DMTA V!", http://www.rheometricsscintific.com/dmtaV.htm , 12/29/00	
		"Standard Test Method for Rubber Property-Intrenational Hardness," American Society for Testing and Materials	
		AMITAY-SADOVSKY, ELLA and H. Daniel Wagner, "Evaluation of Young's Modulus of Polymers from Knoop Microindentation Tests" Polymer Communications, 1998, vol. 39, no. 11, pp. 2387-2390.	
20		CALLEJA, F.J. BALTA, "Microhardness Studies of Polymers and Their Transitions" TRIP, December 1994, vol. 2, no. 12, pp. 419-425	
		BOWLT, C., "A Simple Capillary Viscometer" Physics Education, March 1975, vol. 10, no. 2, pp. 102-103	
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		SHINOZAKI, D.M. and Y. Lu, "Micro-Indentation Relaxation Measurements in Polymer Thin Films" Journal of Electronic Materials, 1997, vol. 26, no. 7, pp. 852-858	
		WIERENGA, P.E. and A.J.J. Franken, "Ultramicroindentation Apparatus for the Mechanical Characterization of Thin Films" J. Appl. Phys., June 15, 1984, 55 (12).	
		European Search Report dated December 10, 2001	

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		3,071,961	✓	Heigl et al.	01/08/1963	
		3,675,475	✓	Weinstein	07/11/1972	
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		3,818,751	✓	Karper et al.	06/25/1974	
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		3,933,032	✓	Tschoegl	01/20/1976	
		4,229,979	✓	Greenwood	10/28/1980	
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		4,599,219	✓	Cooper et al.	07/08/1986	
		4,602,501	✓	Hirata	07/29/1986	
		4,680,958	✓	Ruelle et al.	07/21/1987	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
			JP402297040A	✓	Akaha Toru	12/07/1990		
			WO 96/11878	✓	The Reg. of the Univ. of Calif.	04/25/1996		
			WO 00/51720		Symyx Technologies, Inc.	09/08/2000		
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			WO 99/18431		Symyx Technologies, Inc.	04/15/1999		
			EP 0 317 356 A2		Chichibu Cement Kabushiki	05/24/1989		

Examiner
Signature

[Signature]

Date

Considered

11/1/02

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 3

Complete if Known

Application Number	09/939,139
Filing Date	08/24/2001
First Named Inventor	Mary Beth Kossuth
Group Art Unit	1771
Examiner Name	
Attorney Docket Number	1012-109(2000-118)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		4,793,174		Yau	12/27/1988	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 3

of 3

Application Number	09/939,139
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Filing Date	08/24/2001
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First Named Inventor	Mary Beth Kossuth
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Group Art Unit	1771
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Examiner Name

Attorney Docket Number 1012-109(2000-118)

[illegible]

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[illegible]

**Examiner
Signature**

Date

	Not Considered	Considered
1. The number of people who are affected by the problem.		
2. The severity of the problem.		
3. The likelihood of the problem occurring.		
4. The cost of the problem.		
5. The time it takes to solve the problem.		
6. The complexity of the problem.		
7. The availability of resources to solve the problem.		
8. The potential for future problems.		
9. The impact of the problem on other areas.		
10. The overall importance of the problem.		

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